PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY	рст			
To. URQUMART-DYKES & LORD, LLP Attn. Cawdell, Karen Teresa Three Trivity Court 21-27 Newport Road Cardiff CP24 OAA UNITED KINGDOM	NOTIFICATION OF THANSMITTAL OF THE INTERNATIONAL SEARCH REPORT AND THE WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY, OR THE DECLARATION			
***************************************	(PCT Rule 44.1)			
	Date of mailing (##y/morith/year) 07/06/2005			
Applicants or agents lile reference				
ETC/P501643W	FOR FURTHER ACTION See paragraphs 1 and 4 below			
Imamational application No	International filing date			
PCT/GB2005/000490	(day/month/year) 3.4/02/2005			
IQE SILICON COMPOUNDS LTD				
t. x. The applicant is hereby notified that the international search	raport and the written opinion of the International Searching			
Filing of amendments and statement under Article 19. The applicant is entitled, if he so wishes, to amend the claim When? The time limit for filing such amendments is norm International Search Report; however, for more of Where? Directly to the International Bureau of WIPO, 94 1211 Geneva 20, Switzerland, Far For more detailed instructions, see the noise on the accordance of the applicant is hereby notified that no international search Article 17(2)(a) to that effect and the written opinion of the international search of the written opinion of the international search of the international search of the written opinion of the international search of the written opinion of the international search of the protest against payment of (an) addition	s of the International Application (see Rule 46); naily 2 months from the date of transmittal of the serialis, see the notes on the accompanying sheet, chemin des Colombette's scimile No.: (41-22) 740, 14,95 ripanying sheet. report will be established and that the declaration under ternational Searching Authority are transmitted herewith halfee(s) under Rule 4C.2, the applicant is notified that the transmitted between the transmitted by the second of the color and the decision thereon to the decision of the decision thereon to the decision thereon to the decision of the decision thereon to the decision thereon to the decision of the decision thereon to the decision thereon to the decision thereon to the decision thereon to the decision thereon that the decision thereon to the decision thereon the decision thereon to the decision thereon the decision the decision thereon the decis			
4 Reminders				
Shorty after the expiration of 18 months from the priority date, the international Bureau. If the applicant wishes to avoid or postpone papplication, or of the priority claim, must reach the international Burbefore the completion of the rechnical preparations for international Times and the second preparations.	nublication, a notice of withdrawal of the international reau as provided in Pules 90 bis.1 and 90 bis.3, respectively, all publication			
The applicant may submit comments on an informal basis on the w international Bureau. The international Bureau will send a copy of a international preliminary examination report has been or is to be es the public but not before the expiration of 30 months from the priori	such comments to all designated Offices unless an tablished. These comments would also be made available to ty date.			
Within 19 months from the priority date, but only in respect of some examination must be filed if the applicant wishes to postpone the examination of some Offices even later); otherwise, the applicant must, wit acts for entry into the national phase before those designated Offices.	thin 30 me habonal phase until 30 months from the priority			
in respect of other designated Offices, the time limit of 30 months months				
See the Annex to Form PCT/IE/301 and, for details about the applic Guide, Volume II, National Chapters and the WIPO. Internet site.	cable time limits. Office by Office, see the PCT Applicant's			

Name and mailing address of the International Searching Authority

Authorized officer

John Bakvis

NOTES TO FORM PCT/ISA/220

These Notes are intended to give the basic instructions concerning the filing of amendments under article 19. The Notes are based on the requirements of the Patent Cooperation Treaty, the Regulations and the Administrative Instructions under that Treaty, in case of discrepancy between these Notes and those requirements, the latter are applicable. For more detailed information, see also the PCT Applicant's Guide, a publication of WIPO.

in these Notes, "Article", "Bule", and "Section" refer to the provisions of the PCT, the PCT Regulations and the PCT Administrative Instructions respectively.

INSTRUCTIONS CONCERNING AMENDMENTS UNDER ARTICLE 19

The applicant has, after having received the international search report, one opportunity to amend the claims of the international application. It should however be emphasized that, since all parts of the international application (claims, description and drawings) may be amended during the international preliminary examination procedure, there is usually need to fit amendments of the claims under Article 19 except where, is the applicant wants the latter to be published for the purposes of provisional protection or has another reason for amending the claims before international physication. Furthermore, it should be emphasized that provisional protection is available in some States only.

What parts of the international application may be amended?

Under Article 19, only the claims may be amended

During the international phase, the claims may also be amended (or further emended) under Article 34 before the International Preliminary Examining Authority. The description and drawings may only be amended under Article 34 before the International Examining Authority.

Upon entry into the national phase, all parts of the international application may be amended under Article 28 or, where applicable, Article 41.

When?

Within 2 months from the date of transmittal of the international as such report or 16 months from the pricety date, whichever time limit expires later. It should be noted, however, that the amendments will be considered as having been received on time if they are received by the International Bureau after the expiration of the applicable time limit but before the completion of the technical preparations for international publication (Fluis 46.1).

Where not to file the amendments?

The amendments may only be field with the International Bureau and not with the receiving Office or the International Searching Authority (Rule 46.2).

Where a demand for international preliminary examination has been its filed, see below

HOW?

Either by sancelling one or more entire claims, by adding one or more new claims or by amending the text of one or more of the daims as field.

A replacement sheet must be submitted for each sheet of the claims which, on account of an americkness or amendments, differs from the sheet originally filed.

All the claims appearing on a replacement sheet must be numbered in Arabic numerals. Where a claim is cancelled, no renumbering of the other claims is required. In all cases where claims are renumbered, they must be renumbered consecutively (Administrative Instructions, Section 205(b)).

The amendments must be made in the language in which the international application is to be published.

What documents must/may accompany the amendments?

Letter (Section 205(b)):

The amendments must be submitted with a letter.

The letter will not be published with the international application and the americled claims. It should not be confused with the "Statement under Article 19(1)" (see below, under "Statement under Article 19(1)").

The letter must be in English or French, at the choice of the applicant, However, If the language of the international application is English, the letter must be in English; If the language of the international application is French, the letter must be in French.

NOTES TO FORM PCT/ISA/220 (continued)

The letter must indicate the differences between the claims as filed and the claims as amended it must, in particular, indicate, in connection with each claim appearing in the international application (it being understood that identical indications concerning several claims may be grouped) whether

- (i) the claim is unchanged;
- (ii) the claim is cancelled;
- (8i) the claim is new;
- (iv) the claim replaces one or more claims as filed;
- (v) the claim is the result of the division of a claim as filed.

The following examples illustrate the manner in which amendments must be explained in the accompanying letter:

- [Where originally there were 48 claims and after amendment of some claims there are 51]: "Claims 1 to 29, 31, 32, 34, 35, 37 to 46 replaced by amended claims bearing the same numbers; claims 30, 33 and 36 unchanged, new claims 49 to 51 added."
- (Where originally there were 15 claims and after amendment of all claims there are 11).
 Claims 1 to 15 replaced by amended claims 1 to 11.
- (Where originally there were 14 claims and the amendments consist in cancelling some claims and in adding new claims).
 - "Claims 1 to 6 and 14 unchanged; claims 7 to 13 cancelled; new claims 15, 16 and 17 added." or "Claims 7 to 13 cancelled; new claims 15, 16 and 17 added, all other claims unchanged."
- 4. [Where various kinds of amendments are made]: "Claims 1-10 unchanged; claims 11 to 13, 18 and 19 cancelled, claims 14, 15 and 16 replaced by amended claims 14, claim 17 subdivided into amended claims 15, 16 and 17; new claims 20 and 21 added."

"Statement under article 19(1)" (Rule 46.4)

The amendments may be accompanied by a statement explaining the amendments and indicating any impact that such amendments might have on the description and the drawings (which cannot be amended under Article 19(1)).

The statement will be published with the international application and the amended claims.

If must be in the language in which the international appplication is to be published.

It must be brief, not exceeding 500 words if in English or if translated into English.

It should not be confused with and does not replace the letter indicating the differences between the claims as filled and as amended, it must be filled on a separate sheet and must be identified as such by a heading, preferably by using the words "Statement under Article 19(1)."

It may not contain any disparaging comments on the international search report or the relevance of citations contained in that report. Reference to citations, relevant to a given claim, contained in the international search report may be made only in connection with an emendment of that claim.

Consequence if a demand for international preliminary examination has already been filed

If, at the time of filing any amendments under Article. 19, a demand for international preliminary examination has already been submitted, the applicant must preferably, at the same time of filing the amendments with the international Bureau, also file a copy of such amendments with the International Preliminary Examining Authority (see Rule 62.2(a), first sentence).

Consequence with regard to translation of the international application for entry into the national phase

The applicant's attention is drawn to the fact that, where upon entry into the national phase, a translation of the dame as amended under Article 19 may have to be furnished to the designal ediblected Offices, instead of, or in addition to, the translation of the claims as filed.

For further details on the requirements of each designated/elected Office, see Volume II of the PCT Applicant's Guide

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicants or agent's tile reference	FOR FURTHER	
RTC/P501643W	ACTION as well	see Form PCT/ISA/220 fas, where applicable, item 5 below.
International application No.	international filing date (day/month/year)	(Earliest) Priority Date (day/montin/year)
PCT/GB2005/000490	14/02/2005	13/02/2004
Applicant		
IQE SILICÓN COMPOUNDS LI		
This international Search Report has be according to Article 18. A copy is being t	en prepared by this international Searching Audi ransmitted to the International Eureau.	horry and is transmitted to the applicant
This International Search Report consist	is of a total of sheets.	
e	y a copy of each prior art document cited in this	report
1 Basis of the report		
 With regard to the language, this language in which it was filed, in 	s international search was carried out on the bar nless otherwise indicated under this item.	sis of the international application in the
The internationa this Authority (R	if search was camed out on the basis of a transl ule 23.1(b)).	ation of the infernational application furnished to
	eotide and/or amino acid sequence disciosed	in the international application, see Box No. 1.
2 Cortain claims were to	und unsearchable (See Box II).	
3 Unity of invention is la	cking (see Box III).	
4. With regard to the tittle,		
X the text is approved as s	ubmitted by the applicant.	
the text has been establi	shed by this Authority to read as follows:	
5 With regard to the abstract .		
······	ubmitted by the applicant.	
the text has been establi may, within one month to	shed, according to Rule 38.2(b), by this Authoriti om the date of mailing of this international sear	ly as it appears in Box No. IV. The applicant- th Facort, submit comments to this Authority.
6. With legald to the drawings ,	and the board with the state of	
33	published with the abstract is Figure No	
Jenned Control	is Authority, because the applicant failed to sug	igiard a franca.
5******	is Authority, because the figure better characte	
*****	pe published with the abstract.	2

INTERNATIONAL SEARCH REPORT

International Application No.

PCT/6B2005/000490 A. CLASSIFICATION OF SUBJECT MATTER IFC 7 HOIL 29/165 HOIL H01L21/20 According to International Patent Classification (IPC) onto both national classification and IPC **B. FIELDS SEARCHED** Minimum documentation searched (dassification system followed by dassification symbols) IPC 7 HOIL Documentation searched offer than minimum documentation to the extent that such documents are included in the facilitis searched Electronic data base consulted during the linternational search (hame of data base and, where practical, Scarch ferms used) EPO-Internal, PAJ C. DOCUMENTS CONSIDERED TO SE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. X US 2002/017642 A1 (MIZUSHIMA KAZUKI ET AL) 1,4,5. 14 February 2002 (2002-02-14) 7-13,16, 18 paragraph '0047! - paragraph '0052!: figures 2.7 US 2002/125475 A1 (CHU JACK OON ET AL) 1.4-10. X 12.13, 12 September 2002 (2002-09-12) 16,18 figure 3 WO 03/103031 A (UNIVERSITY OF WARWICK: X 1,4,5,7, CAPEWELL, ADAM, DANIEL; GRASBY, TIMOTHY, 8,12-18 JOHN:) 11 December 2003 (2003-12-11) abstract; figure 2/ Further documents are listed in the continuation of box C X. Patent tamily me obers are listed in annex. X Special categories of ofed documents. "T" later document published after the linternational filing date or interity reals and not in conflict with the application but "A" document defining the general state of the lan which is not cited to undecitand the principle of theory, underlying the considered to be of particular relevance *E* sarker document but published on or after the international *X* document of particular relevance; the claimed levention cannot be considered novel or cannot be considered to *C decument which may throw doubts as priority daimts) or which is cited to establish the publication date of another involve an elventive step when the document is taken alone "Y" document of politicate: relevance, the claimed invention caused be considered to involve an inventive step when the citation or other special reason (as 'specified) *O* document referring to an oral disclosure, use, exhibition or document is combined with one or more other such docu ments, such combination being obvious to a person skilled in the art. other means document published prior to the international filling date but tater than the priority date claimed *&* document member of the same patent family Date of the actual completion of the international search Date of mailing of the international search report 19 May 2005 07/06/2005 Name and mailing address of the ISA Authorized officer European Patent Office, P.S. 5818 Patentian 2

Baillet, B

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INTERNATIONAL SEARCH REPORT

International Application No PCT/GB2005/000490

		PCT/GB2005/000490
	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	
almyssy '	Citation of document, with indication, where appropriate, of the resevant passages.	Biskevant to observice.
× ×	ROMANATO F ET AL: "Continuously graded buffers for InGaAs/GaAs structures grown on GaAs" JOURNAL OF CRYSTAL GROWTH, NORTH-HOLLAND, AMSTERDAM, NL. vol. 175-176, May 1997 (1997-05), pages 1009-1015, XP004091436 ISSN: 0022-0248 page 1011 - page 1014	1,2,4, 12-14, 16,18
€	PATENT ABSTRACTS OF JAPAN vol. 2003, no. 11, 5 November 2003 (2003-11-05) & JP 2003 197544 A (SUMITOMO MITSUBISHI SILICON CORP), 11 July 2003 (2003-07-11) abstract	1,3-5, 7-9,12, 13,15, 16,18

INTERNATIONAL SEARCH REPORT

Information on patent family members

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